Index of Claims

Application/Control No.

09/987,529

Examiner

Robert N. Kang

HIN

HINO, YASUHIRO

Reexamination

Applicant(s)/Patent under

Art Unit

2622

RNK

√ Rejected
= Allowed

(Through numeral)
Cancelled

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Restricted

Non-Elected

Interference

A Appeal

O Objected

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| Claim       |                            | Date            |          |              |          |          |          |              |            |             |
| O''         | اد                         |                 |          |              | - 410    |          |          |              | Н          |             |
| <u></u>     | Original                   | V20/05          |          |              |          |          |          |              |            |             |
| Final       | rigi                       | 2               |          |              |          |          |          |              |            |             |
| "           | ŏ                          | 12              |          |              |          |          |          |              |            |             |
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|             | 7<br>8                     | 1               |          | $\vdash$     |          |          |          |              |            | $\dashv$    |
|             | 9                          | 7               |          | -            |          |          | -        |              |            | -i          |
| $\vdash$    | 10                         | •               |          |              |          |          |          |              | _          |             |
| -           | 11                         | ./              |          |              |          |          |          | —            | _          | -           |
|             | 11<br>12                   | 1               | -        |              | —        | $\vdash$ | _        |              | $\vdash$   | Н           |
|             | 12                         | 1               | _        |              |          | -        |          | Н            |            | Н           |
| H-          | 14                         | <del>  '/</del> |          | $\vdash$     |          | —        | _        | -            | _          | $\vdash$    |
| <b></b>     | 13<br>14<br>15<br>16       | Ť               | $\vdash$ | $\vdash$     |          | $\vdash$ |          |              | -          | Н           |
| <del></del> | 16                         | Ĭ               | _        | $\vdash$     |          | $\vdash$ |          | <del> </del> |            | H           |
|             | 17                         | 1               | -        | <del> </del> |          |          |          | H            | $\vdash$   | H           |
| $\vdash$    | 18                         | 1               | -        | $\vdash$     |          |          |          |              |            | $\vdash$    |
|             | 18<br>19                   | J               |          |              |          |          | $\vdash$ | _            | _          | Н           |
| <b>-</b>    | 20                         |                 |          |              |          | _        |          | _            | $\vdash$   | Н           |
| -           | 21                         | Ť               |          | -            | —        | _        |          |              | -          | Н           |
|             | 21<br>22<br>23             | 7               |          |              |          | -        |          | $\vdash$     | _          | Н           |
|             | 23                         | 1               | _        | $\vdash$     |          |          |          |              |            | П           |
|             | 24<br>25                   | 77777           |          |              |          |          |          |              |            | П           |
|             | 25                         | J               |          |              |          | _        |          | _            |            | П           |
|             | 26<br>27                   | J               | $\Box$   |              |          |          |          |              |            |             |
|             | 27                         | J,              |          |              |          |          |          |              | Г          |             |
|             | 28                         | 1               |          |              |          | Г        |          |              |            |             |
|             | 29                         | J               |          |              |          |          |          |              |            |             |
|             | 30                         | J               |          |              |          |          |          | $\Box$       | _          |             |
|             | 31                         | J               |          |              |          |          |          |              |            |             |
|             | 32                         | J               |          |              |          |          |          |              |            |             |
|             | 33                         |                 |          |              |          |          |          |              |            |             |
|             | -34-                       |                 |          |              |          |          | L        | L            |            |             |
|             | 35                         | V               |          |              |          |          |          |              |            |             |
|             | 36                         | V               |          |              |          |          |          | L            |            |             |
|             | 37                         | V               |          |              |          |          |          |              |            |             |
|             | 38                         |                 |          |              |          |          |          |              |            |             |
|             | 39                         |                 |          |              |          |          |          |              |            |             |
|             | 40                         | L               | L        | L            | L_       | _        |          | <u> </u>     | lacksquare | $\bigsqcup$ |
|             | 41                         | ļ               |          |              |          |          | <u> </u> | <u> </u>     | <u> </u>   |             |
|             | 42                         | <u> </u>        | L_       |              | _        |          | _        | <u> </u>     | <u> </u>   |             |
| L           | 43                         | <u> </u>        | <u> </u> |              |          | <u> </u> | <u> </u> | <u> </u>     | <u> </u>   |             |
|             | 44                         | 乚               | L.       | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | <u> </u>     | _          |             |
|             | 45                         | <u> </u>        | <u> </u> |              | L        | <u> </u> | <u> </u> | <u> </u>     | <u> </u>   | <u> </u>    |
| <u> </u>    | 46                         | <u> </u>        |          | <b> </b>     |          | ļ        | <u> </u> | <u> </u>     | <u> </u>   | Ш           |
|             | 47                         | <u> </u>        | <u> </u> | <u> </u>     | _        | <u> </u> | _        |              | _          | _           |
|             | 48                         | <u> </u>        | <u> </u> | <u> </u>     | <u> </u> | <u> </u> | <u> </u> | L-           | <u> </u>   | Ш           |
| <u></u>     | 49                         | <b> </b>        | <u> </u> | <b>—</b>     | <u> </u> | <b> </b> | <u> </u> |              | _          |             |
| L           | 50                         |                 |          | L            |          |          |          | L            |            |             |

| Claim  |                            | Date     |                |  |                |              |              |              |              |                |  |
|--|----------------------------|----------|----------------|--|----------------|--------------|--------------|--------------|--------------|----------------|--|
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| <u>a</u>   | Original                   |          |                |  |                |              |              |              |              |                |  |
| Final  | rigi                       |          |                |  |                |              |              |              |              |                |  |
|  | Ō                          |          |                |  |                |              |              |              |              |                |  |
| -  | 51                         | _        | -              | <del> </del>                                     |                | -            | -            |              |              | _              |  |
| <del>                                     </del> | 51<br>52                   |          | $\vdash$       | $\vdash$   | -              | _            |              |              |              |                |  |
| $\vdash$   | 53                         |          | ┝              | -  | -              |              |              | -            | -            |                |  |
|  | 53<br>54<br>55             |          | -              | -  | -              |              |              | -            |              |                |  |
|  | 55                         | -        | -              | H  | _              |              |              |              | -            |                |  |
|  | 56                         | -        | <del> </del>   | <del>                                     </del> |                |              |              |              |              | -              |  |
| <u> </u>   | 56<br>57                   |          | ┝              | -  |                | _            |              |              | H            |                |  |
| <del></del>                                      | 50                         |          | ├              | $\vdash$   |                |              |              | _            | $\vdash$     |                |  |
| <del>-</del>                                     | 58<br>59                   | _        | $\vdash$       | ├  | $\vdash$       | H            |              | $\vdash$     | ┝            | -              |  |
| <u> </u>   | 60                         | H        | -              | H  | H              | H            |              | <u> </u>     | -            |                |  |
| <u> </u>   | 60                         | _        |                | _  | -              | $\vdash$     |              |              | $\vdash$     | _              |  |
| -  | 60                         |          | ⊢              | ٠.   |                | H            |              | _            | H            |                |  |
|  | 61<br>62<br>63             | <u> </u> | $\vdash$       | $\vdash$   | $\vdash$       | $\vdash$     | <u> </u>     | <u> — </u>   |              |                |  |
| <u> </u>   | 63                         | <u> </u> | <del> </del> — |  | <del> </del>   | <u> </u>     | $\vdash$     |              | $\vdash$     | -              |  |
| <u> </u>   | 64<br>65                   | <u> </u> | <del>  -</del> | <del> </del>                                     | <u> </u>       | $\vdash$     | $\vdash$     | _            | $\vdash$     | $\vdash$       |  |
| <u> </u>   | 65                         | <u> </u> | <u> </u>       | <b> </b>   | <u> </u>       | <u> </u>     |              |              |              | <u> </u>       |  |
| <u></u>  | 66                         | <u> </u> | <u> </u>       | <u> </u>   | <u> </u>       | <u> </u>     | <u> </u>     | L_           | _            | <u> </u>       |  |
| <u></u>  | 67                         |          | <u> </u>       | L  | ļ              | <u> </u>     | _            | _            | _            |                |  |
|  | 68                         |          | <u> </u>       |  | <u> </u>       |              | _            |              |              |                |  |
| <u> </u>   | 69<br>70<br>71             | <u> </u> | <u> </u>       | _  |                |              | $\vdash$     |              |              |                |  |
| L  | 70                         | L        | _              | _  |                |              | L            |              |              | Ļ              |  |
|  | 71                         |          | <u> </u>       | <u> </u>   | _              | _            | <u> </u>     |              | _            | Ĺ              |  |
|  | 72                         | _        | <u> </u>       | L.   |                |              | <u> </u>     |              | <u> </u>     | _              |  |
| L  | 73                         |          |                |  |                |              | L            | <u> </u>     | 匚            | <u> </u>       |  |
|  | 72<br>73<br>74<br>75<br>76 |          | <b></b> .      |  |                |              |              | <u> </u>     | _            | _              |  |
|  | 75                         | -        |                |  |                |              | _            |              | <u> </u>     |                |  |
|  | 76                         | <u> </u> |                |  | <u> </u>       | <u> </u>     | _            | ļ            | _            | _              |  |
|  | 77                         | _        |                | L  | _              | <u> </u>     |              | _            | _            |                |  |
|  | 78                         | _        |                | L  | <u> </u>       | <u> </u>     |              |              | <b>!</b>     | <b>!</b>       |  |
|  | 79                         | <u> </u> | _              | <u> </u>   | <u> </u>       | _            |              |              | ļ            | -              |  |
| <u> </u>   | 80<br>81                   | <u> </u> | ļ              | L  | <u> </u>       | _            | _            |              | -            | _              |  |
|  | 81                         | <u> </u> | ├              | <del>  -</del>                                   | _              | <b> </b>     | ļ            | <u>.</u>     | ļ            |                |  |
| <u> </u>   | 82                         | <u> </u> | <u> </u>       | ├  | _              | ļ            | _            |              |              | -              |  |
|  | 83                         | <u> </u> | <u> </u>       | <u> </u>   | _              | _            | _            |              | _            | L              |  |
|  | 84                         | <u> </u> | $\vdash$       | $\vdash$   | $\vdash$       | <u> </u>     | <u> </u>     | <u> </u>     | <u> </u>     |                |  |
| <u></u>  | 85                         | ļ        | $\vdash$       | ⊢  | ⊢              | ⊢            | <u> </u>     | <u> </u>     | ⊢            | <u> </u>       |  |
|  | 86                         | <u> </u> | <u> </u>       | <u> </u>   | <u> </u>       | ⊢            | _            | <u> </u>     | ⊢-           | ⊢              |  |
| <u></u>  | 87                         | <b> </b> | -              | <del> </del>                                     | $\vdash$       | $\vdash$     | $\vdash$     | _            | $\vdash$     | <u> </u>       |  |
| <u> </u>   | 88                         | <u> </u> | <u> </u>       |  | _              | <u> </u>     | ⊢            | <u> </u>     | ⊢            | ╙              |  |
|  | 89                         | <u> </u> | <u> </u>       | ├-   | ⊢              | <del> </del> |              |              | <del> </del> | <del> </del> — |  |
|  | 90                         | <u> </u> | 1              | $\vdash$   | 1              | _            | <u> </u>     | <del> </del> | $\vdash$     | <u> </u>       |  |
| <u> </u>   | 91                         | -        | ⊨              | ⊢  | ├              | <u> </u>     | <del> </del> |              |              | +-             |  |
|  | 92                         | $\vdash$ | ┢              | ⊢  | ⊢              | -            | ├            | <del> </del> | -            | -              |  |
| <u> </u>   | 93                         |          | ├              | ├  | <del> </del> - |              |              | -            | -            | $\vdash$       |  |
| <u> </u>   | 94                         | -        | ├              | ├  | -              | -            | -            |              |              | $\vdash$       |  |
|  | 95                         | ├        | -              | <del> </del>                                     | ├              |              |              | ├-           | $\vdash$     | $\vdash$       |  |
|  | 96                         | ├-       | +-             | -  |                | -            | -            | $\vdash$     | $\vdash$     | $\vdash$       |  |
| <b></b>  | 97                         | -        | $\vdash$       | ├-   | -              | -            | -            | -            | ⊢-           | -              |  |
| <u> </u>   | 98                         | ├        |                |  | ├-             | -            | ├            | ⊢            | $\vdash$     | $\vdash$       |  |
|  | 99                         | ├        | ₩              | <del> </del> —                                   | ╄              | ├            | -            | $\vdash$     | $\vdash$     | $\vdash$       |  |
| Щ.   | 100                        | 1        |                | Ь_   |                | <u>L</u>     | <u> </u>     |              | L            | L_             |  |

| Cla  | aim               |              |          |          | - [  | ate      | •        |          |  |          |
|--|-------------------|--------------|----------|----------|--|----------|----------|----------|--|----------|
|  | _                 |              |          |          |  |          |          |          |  | $\neg$   |
| Final  | Original          |              |          |          |  |          |          |          |  |          |
| <b> </b> -                                       | 101               |              | _        |          | -  | _        | _        | $\dashv$ |  | $\dashv$ |
|  | 102               |              |          | -        | H  | -        |          | ᅱ        | -  |          |
|  | 103               |              |          |          |  |          |          |          |  | $\neg$   |
|  | 104               |              | _        |          |  |          |          |          |  |          |
|  | 104<br>105        |              |          |          |  |          |          |          |  |          |
|  | 106               |              |          |          |  |          |          |          |  |          |
|  | 107<br>108        |              |          |          |  |          |          |          |  |          |
|  | 108               |              |          |          |  |          |          |          |  |          |
|  | 109               |              |          |          |  |          |          | _        |  |          |
| <u> </u>   | 110               | _            |          |          |  |          |          |          |  |          |
|  | 111               | <u> </u>     |          |          |  |          |          |          |  |          |
| ļ  | 112<br>113        | <u> </u>     |          |          |  |          |          |          | _  |          |
| -  | 113               | <del> </del> |          | -        |  |          |          |          | $\vdash$   |          |
|  | 114<br>115        |              | -        |          |  |          |          |          |  |          |
|  | 116               | -            | H        |          | _  |          |          |          | -  |          |
|  | 117               |              | -        |          | -  |          |          | _        | -  |          |
| -  | 118               | -            | ⊢        | $\vdash$ | $\vdash$   | -        |          |          | -  |          |
| <del>                                     </del> | 119               | $\vdash$     | $\vdash$ |          | $\vdash$   | $\vdash$ | _        | _        | _  |          |
| <b>—</b>   | 120               | -            | -        | -        |  |          |          |          | -  |          |
| -  | 121               |              | $\vdash$ | _        | _  | -        | -        |          |  |          |
|  | 121<br>122        |              |          | _        | _  |          |          |          |  |          |
|  | 123               | $\vdash$     | <u> </u> | -        |  |          |          |          | Г  |          |
|  | 123<br>124        |              | T        |          |  |          |          |          |  |          |
|  | 125               | Π            |          |          |  |          |          |          |  |          |
|  | 126               |              |          |          |  |          |          |          |  |          |
|  | 127               |              |          |          |  |          |          |          |  |          |
|  | 126<br>127<br>128 |              |          |          |  |          |          |          |  |          |
|  | 129               | _            |          | L        | <u> </u>   | L        |          |          |  |          |
|  | 130               |              |          |          | _  | _        | _        |          |  |          |
| <u> </u>   | 131               | _            | <u> </u> | _        | <u> </u>   | <u> </u> | _        |          |  |          |
|  | 132               |              |          | <u> </u> | _  |          | <u> </u> |          |  |          |
| <u> </u>   | 133               | <u> </u>     | <u> </u> | <u> </u> | <u> </u>   |          | <u> </u> |          |  |          |
|  | 134               |              | _        | <u> </u> | _  |          | _        |          |  | _        |
|  | 135               |              | $\vdash$ | $\vdash$ | $\vdash$   | _        | -        |          |  | -        |
|  | 136               | -            | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$ | ├-       | -        |  |          |
| $\vdash$   | 137<br>138        | -            |          | -        | $\vdash$   | $\vdash$ | ⊢        | -        | -  |          |
|  | 139               | -            |          | $\vdash$ | -  | $\vdash$ | -        | H        | -  | -        |
| $\vdash$   | 140               | $\vdash$     | $\vdash$ | -        | -  |          | ├        | $\vdash$ | $\vdash$   |          |
|  | 141               | -            |          |          | $\vdash$   | $\vdash$ | ┢        | $\vdash$ | $\vdash$   |          |
|  | 142               | $\vdash$     |          | $\vdash$ | <del>                                     </del> |          | $\vdash$ | $\vdash$ | <del>                                     </del> |          |
|  | 143               |              | Г        |          | <del>                                     </del> |          |          | Т        | $\vdash$   | Г        |
|  | 144               |              |          |          | Г  |          |          |          |  |          |
|  | 145               |              |          |          |  |          |          |          |  |          |
|  | 146               | $\Box$       |          |          |  |          |          |          |  |          |
|  | 147               |              |          |          |  |          |          | L        |  |          |
|  | 148               |              |          |          |  |          |          |          | L  |          |
|  | 149               |              |          |          |  |          | L_       | L        | L.   | <u> </u> |
| L  | 150               |              | <u> </u> | <u></u>  |  | L        | L_       |          | L  | <u> </u> |